



**Bulk Storage Tank  
Operator's Manual**

**Unit Information**

**Model: Bulk Storage Tank**

**Year:**\_\_\_\_\_

**Gallons:**\_\_\_\_\_

**Serial Number:**\_\_\_\_\_

**Pump:**\_\_\_\_\_

**Power Supply:**\_\_\_\_\_

**Seal-Rite Inc.  
1374 State Road M  
Auxvasse, MO 65231  
(573) 387-4491  
www.seal-rite.com  
sales@seal-rite.com**

# **Safety Precautions**

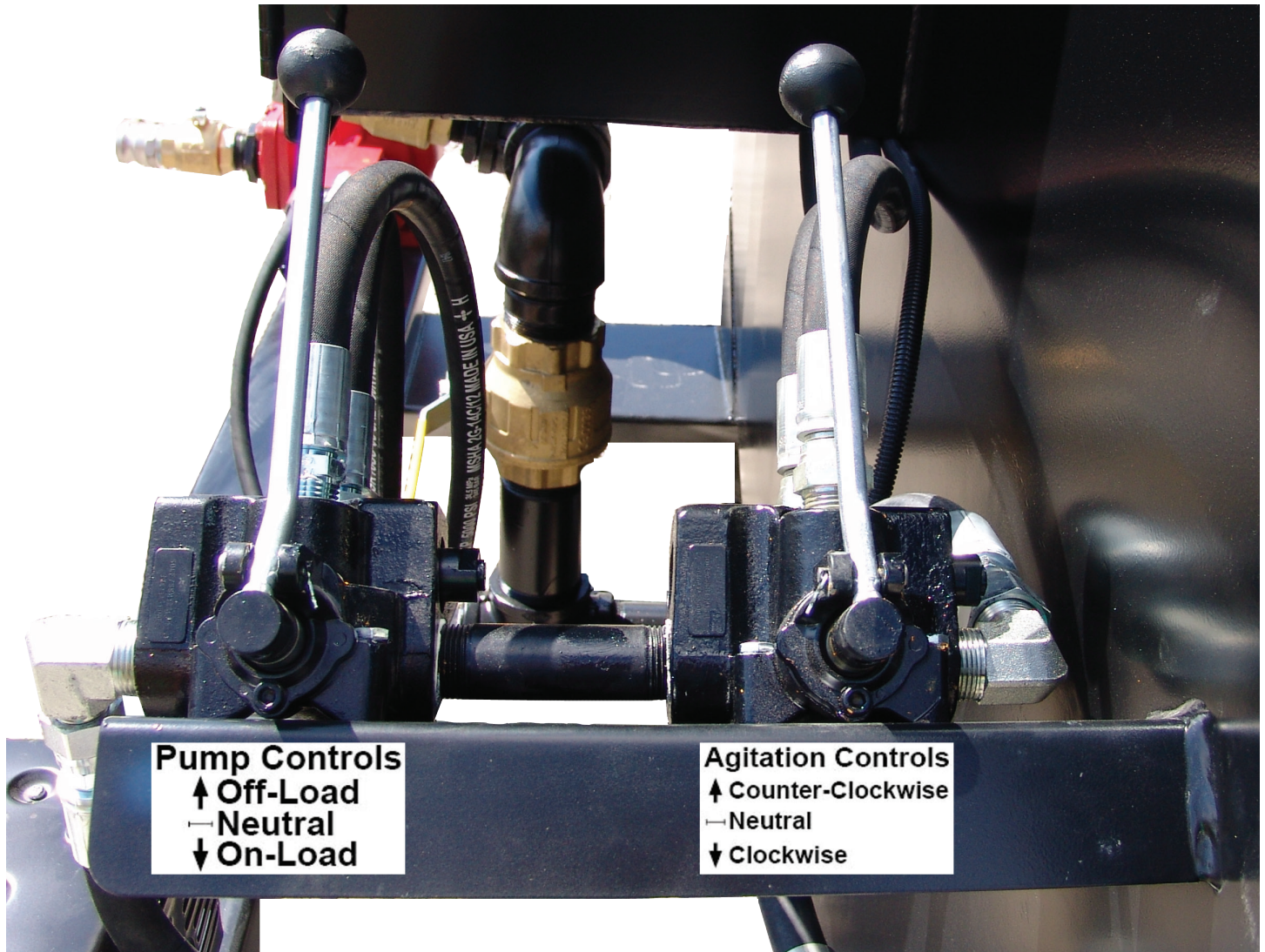
- Failure to follow all safety precautions can result in serious injury or death.
- Seal-Rite Inc. assumes no liability for any accident or injury incurred through improper use of machine.
- Read Operator's Manual fully before operating machine.
- Observe all caution and warning signs on machine.
- Always wear ear protection, eye protection and gloves when operating machine.
- Do not leave unattended when running.
- Use of parts other than Seal-Rite parts may impair the safety or reliability of your equipment and nullifies any warranty.
- Keep all body parts out of lid opening when unit is running.
- Keep hands and arms clear while opening and closing lid.
- Keep tank lid closed when agitating at a fast speed.
- Never enter the tank with sealer inside.
- Always let residual sealer dry or freeze before entering the tank.
- All ball valves must be fully opened or closed for correct use.
- Never operate near an open flame, or use any type of flame to unclog the plumbing.
- Check all operation manuals for warnings, cautions and to ensure proper maintenance and use.
- Operation manuals can be found in the 'Resources' section of our website:  
[www.seal-rite.com/operation-manuals/](http://www.seal-rite.com/operation-manuals/)
- Notice: Roper pumps are a metal gear pump, and are not designed to run sand. Running sand in this equipment may result in premature wear on the pump that prevents the pump from working.

# Warranty Procedure

- Contact Seal-Rite regarding the problem.
- If the item is warrantable, the following instructions may be given:
  - Seal-Rite will ask you to return the damaged item so that a replacement can be sent to you. If you need the replacement sooner, you can purchase it, to be refunded upon receipt of the damaged item.
  - Seal-Rite is not responsible for warranty shipping costs.
  - Certain products are subject to review before they can be deemed a warranty item.
  - NEVER throw away any replaced parts until the warranty is entirely settled.
  - If the item cannot be sent back (i.e. damage to the unit itself), photographs will be required.
  - Should your warranty work require the help of a professional to repair, reimbursement for the labor cost is at the discretion of Seal-Rite. A valid receipt of all work will be required.
- If the item is covered under the original equipment manufacturer's warranty, we can help connect you with the OEM.
- In the event that your item is not warrantable, Seal-Rite strives to keep all replacement parts in stock.

## Operating Instructions

- Walk around the unit and visually inspect to make sure everything is in good working order
- Check fluids in the Honda motor and hydraulic oil tank
- Make sure the hydraulic control valves are in the neutral position
- To start the Honda motor you will need to make sure the gas is on and choke it
- Once the motor is running, let it warm up for a few minutes.
- Make sure the throttle is wide open.



## End of Day Recommendations

- If you are not using the tank within 24 hours, Seal-Rite recommends you flush your plumbing with water to prevent clogs. **After you flush your system with water, follow with anti-freeze or a light oil to prevent pump damage.**
- Clean your filter pot out daily.

# Troubleshooting Guide

- Problem: Tank will not agitate when loaded
- Possible Cause: Relief valve on hydraulic control valve is set too light
- Solution: Increase relief valve. See Diagram 1B

Diagram 1B – Adjusting Relief Valve on Hydraulic Control Valve



**Adjustments to be made here**

- Step 1: Turn Honda motor off. Remove O-Ring Plug Using a 1/8" Allen Wrench
- Step 2: Turn the 5/32" set screw (using 5/32 Allen Wrench) 1/8 turn away from you (clockwise).  
-See if the system will now agitate.
- Step 3: If system will still not agitate, repeat Step 2, adjusting the 5/32" set screw another 1/8 turn at a time until system begins to agitate.
- Step 4: Once system will agitate, replace O-Ring plug and make sure hydraulic fluid is not leaking.

# Cleaning the Unit

- Fill the tank halfway to completely full of water. Agitate the system for 30 minutes, periodically changing from forward to reverse. Empty the tank and repeat the process if needed.
- Depending on several variables, it will eventually be necessary to get inside the tank to remove excess sealer that has built up. Removing residual sealer is best done when temperatures are below freezing (or as cold as possible in warmer climates). Be careful when removing sealer with tools, as it is possible to ding the tank.

## Maintenance Schedule

### **Hydraulic Oil**

According to the hydraulics manufacturer, ISO 46 Grade Medium Hydraulic Oil is recommended. It is also known as AW 46 at such stores as Sam's, Napa Auto Parts, O'Reilly Automotive, etc. The AW stands for Anti-Wear. Maintain fluid level of  $\frac{3}{4}$  full in hydraulic oil tank.

NOTE: Before leaving Seal-Rite, your unit was filled with 72 quarts of hydraulic oil.

### **Hydraulic Oil Filter**

According to the hydraulics manufacturer, the hydraulic oil and filter should be changed once per year. (Hydraulic Oil Filter Part # 230-HIF)

### **Honda Motor**

You can use 10W-30 oil in the Honda motor. It is recommended that the first oil change in the Honda motor come at 20 hours, successive oil changes are recommended every 100 hours. The air filters should also be changed on the Honda motor at the same time as the unit's 100 hour service. (Honda Air Filter Part # 220-AHAF)

### **Roper Pump**

If you flush your system with water, follow with anti-freeze or a light oil to prevent pump damage. Remember, this is a gear pump and is not designed to run sand.

# Winterizing the Unit

- After tank and pump have been thoroughly cleaned, remove the lid from the filter pot, fill the pot with anti-freeze or windshield wiper fluid, and re-attach the lid.
- Flush the plumbing and pump with the anti-freeze.
- This will leave windshield washer fluid sitting in any low spots, preventing freezing.
- Note: We use windshield wiper fluid because it is effective, inexpensive, and will not harm the pump.

## Tank Charts

### 2,000 Gallon Tank

Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining
1	1998.78	17	1578.44	33	962.81	49	357.88
2	1986.77	18	1542.87	34	922.96	50	324.48
3	1971.33	19	1506.70	35	883.19	51	291.93
4	1953.21	20	1469.98	36	843.53	52	260.30
5	1932.82	21	1432.75	37	804.03	53	229.67
6	1910.47	22	1395.07	38	764.73	54	200.12
7	1886.37	23	1356.97	39	725.67	55	171.76
8	1860.71	24	1318.51	40	686.89	56	144.68
9	1833.64	25	1279.73	41	648.43	57	119.02
10	1805.27	26	1240.66	42	610.33	58	94.93
11	1775.73	27	1201.36	43	572.64	59	72.57
12	1745.10	28	1161.86	44	535.42	60	52.19
13	1713.47	29	1122.21	45	498.69	61	34.06
14	1680.92	30	1082.44	46	462.52	62	18.63
15	1647.52	31	1042.59	47	426.96	63	6.62
16	1613.34	32	1002.70	48	392.06		

Tank Diameter: 64.0"      Tank Length: 144.0"      Total Capacity: 2005.4 Gallons  
 Note: Measurement of the void is to be done from where the tank starts, not the top of the manway.



# 4,000 Gallon Tank

Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining
1	4021.52	25	3024.63	49	1589.54	73	311.19
2	4005.42	26	2968.45	50	1529.43	74	270.78
3	3984.69	27	2911.68	51	1469.61	75	232.09
4	3960.30	28	2854.34	52	1410.10	76	195.25
5	3932.80	29	2796.50	53	1350.95	77	160.42
6	3902.59	30	2738.18	54	1292.20	78	127.78
7	3869.96	31	2679.42	55	1233.88	79	97.57
8	3835.12	32	2620.27	56	1176.03	80	70.07
9	3798.28	33	2560.77	57	1118.70	81	45.68
10	3759.59	34	2500.94	58	1061.92	82	24.96
11	3719.19	35	2440.83	59	1005.74	83	8.86
12	3677.19	36	2380.48	60	950.21		
13	3633.71	37	2319.92	61	895.37		
14	3588.84	38	2259.18	62	841.26		
15	3542.67	39	2198.30	63	787.94		
16	3495.28	40	2137.32	64	735.47		
17	3446.74	41	2076.27	65	683.88		
18	3397.12	42	2015.19	66	633.25		
19	3346.49	43	1954.10	67	583.64		
20	3294.91	44	1893.05	68	535.10		
21	3242.43	45	1832.07	69	487.70		
22	3189.11	46	1771.20	70	441.53		
23	3135.01	47	1710.46	71	396.66		
24	3080.17	48	1649.89	72	353.18		

Tank Diameter: 84.0"      Tank Length: 168.0"      Total Capacity: 4030.4 Gallons  
 Note: Measurement of the void is to be done from where the tank starts, not the top of the manway.

# 6,000 Gallon Tank

Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining
1	6005.36	25	4770.44	49	2928.31	73	1107.56
2	5985.67	26	4699.96	50	2848.56	74	1039.96
3	5960.30	27	4628.62	51	2768.87	75	973.43
4	5930.41	28	4556.47	52	2689.30	76	908.04
5	5896.70	29	4483.57	53	2609.86	77	843.83
6	5859.63	30	4409.94	54	2530.59	78	780.89
7	5819.54	31	4335.64	55	2451.54	79	719.28
8	5776.73	32	4260.71	56	2372.73	80	659.08
9	5731.40	33	4185.20	57	2294.20	81	600.36
10	5683.75	34	4109.13	58	2215.98	82	543.22
11	5633.95	35	4032.56	59	2138.13	83	487.75
12	5582.14	36	3955.53	60	2060.66	84	434.05
13	5528.44	37	3878.06	61	1983.62	85	382.23
14	5472.96	38	3800.20	62	1907.05	86	332.43
15	5415.82	39	3721.99	63	1830.99	87	284.79
16	5357.11	40	3643.46	64	1755.47	88	239.46
17	5296.90	41	3564.65	65	1680.54	89	196.64
18	5235.29	42	3485.59	66	1606.25	90	156.56
19	5172.35	43	3406.33	67	1532.62	91	119.49
20	5108.15	44	3326.89	68	1459.71	92	85.77
21	5042.75	45	3247.31	69	1387.56	93	55.89
22	4976.23	46	3167.63	70	1316.23	94	30.52
23	4908.63	47	3087.88	71	1245.75	95	10.82
24	4840.01	48	3008.09	72	1176.17		

Tank Diameter: 96.0"      Tank Length: 192.0"      Total Capacity: 6016.2 Gallons  
 Note: Measurement of the void is to be done from where the tank starts, not the top of the manway.

# 8,000 Gallon Tank

Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining
1	8090.13	28	6508.50	55	4045.07	82	1581.63
2	8077.93	29	6425.40	56	3949.70	83	1499.55
3	8055.71	30	6341.33	57	3854.36	84	1418.54
4	8027.08	31	6256.34	58	3759.08	85	1338.66
5	7993.33	32	6170.47	59	3663.91	86	1259.95
6	7955.24	33	6083.77	60	3568.87	87	1182.49
7	7913.32	34	5996.28	61	3473.99	88	1106.32
8	7867.96	35	5908.04	62	3379.30	89	1031.52
9	7819.48	36	5819.10	63	3284.85	90	958.15
10	7768.12	37	5729.50	64	3190.67	91	886.28
11	7714.10	38	5548.46	65	3096.78	92	816.00
12	7657.60	39	5457.10	66	3003.22	93	747.37
13	7598.76	40	5369.27	67	2910.04	94	680.50
14	7537.74	41	5365.23	68	2817.25	95	615.47
15	7474.66	42	5272.88	69	2724.91	96	552.39
16	7409.63	43	5180.09	70	2633.03	97	491.37
17	7342.76	44	5086.91	71	2541.67	98	432.54
18	7274.14	45	4993.35	72	2450.86	99	376.03
19	7203.85	46	4899.47	73	2360.63	100	322.01
20	7131.98	47	4805.28	74	2271.03	101	270.65
21	7058.61	48	4710.83	75	2182.09	102	222.17
22	6983.84	49	4616.15	76	2093.85	103	176.82
23	6907.65	50	4521.27	77	2006.36	104	134.90
24	6830.18	51	4426.22	78	1919.66	105	96.80
25	6751.48	52	4331.05	79	1833.79	106	63.05
26	6671.59	53	4235.78	80	1748.80	107	34.42
27	6590.58	54	4140.44	81	1664.73	108	12.20

Tank Diameter: 108.0"      Tank Length: 204.0"      Total Capacity: 8090.1 Gallons

Note: Measurement of the void is to be done from where the tank starts, not the top of the manway.

# 10,000 Gallon Tank

Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining	Inches of Void	Gallons of Sealer Remaining
1	9987.24	31	8035.18	61	4993.90	91	1952.63
2	9974.94	32	7942.90	62	4887.94	92	1861.37
3	9951.51	33	7849.65	63	4782.00	93	1771.18
4	9921.29	34	7755.46	64	4676.12	94	1682.10
5	9885.66	35	7660.38	65	4570.33	95	1594.18
6	9845.41	36	7564.46	66	4464.65	96	1507.48
7	9801.11	37	7467.72	67	4359.13	97	1422.05
8	9753.15	38	7370.22	68	4253.78	98	1337.94
9	9701.85	39	7271.98	69	4148.63	99	1255.22
10	9647.49	40	7173.04	70	4043.73	100	1173.94
11	9590.27	41	7073.45	71	3939.09	101	1094.18
12	9530.39	42	6973.23	72	3834.76	102	1015.99
13	9468.00	43	6872.42	73	3730.75	103	939.46
14	9403.26	44	6771.06	74	3627.10	104	864.65
15	9336.30	45	6669.17	75	3523.85	105	791.67
16	9267.22	46	6566.79	76	3421.02	106	720.59
17	9196.14	47	6463.96	77	3318.64	107	651.51
18	9123.15	48	6360.71	78	3216.75	108	584.55
19	9048.35	49	6257.06	79	3115.39	109	519.81
20	8971.82	50	6153.05	80	3014.58	110	457.42
21	8893.63	51	6048.71	81	2914.36	111	397.54
22	8813.87	52	5944.08	82	2814.76	112	340.32
23	8732.59	53	5839.17	83	2715.83	113	285.96
24	8649.87	54	5734.03	84	2617.59	114	234.66
25	8565.76	55	5628.68	85	2520.08	115	186.70
26	8480.33	56	5523.16	86	2423.35	116	142.40
27	8393.63	57	5417.48	87	2327.42	117	102.15
28	8305.71	58	5311.69	88	2232.35	118	66.52
29	8216.63	59	5205.81	89	2138.16	119	36.30
30	8126.44	60	5099.87	90	2044.91	120	12.87

Tank Diameter: 120.0"      Tank Length: 204.0"      Total Capacity: 9987.8 Gallons

Note: Measurement of the void is to be done from where the tank starts, not the top of the manway.

## **Prop 65**

**⚠️ WARNING: This product can expose you to the following chemicals known to the state of California to cause cancer:**

Cumene, sulfuric acid, nickel, mineral oil, sulfur, acrylonitrile, carbon black, tetrafluoroethylene, titanium dioxide, naphthalene, cobalt octoate, ethylbenzene, hexanoic acid, talc, styrene, silica

**⚠️ WARNING: This product can expose you to the following chemicals known to the state of California to cause birth defects or other reproductive harm:**

Ethylene glycol, n-hexane, toluene, methanol

**⚠️ WARNING: This product can expose you to the following chemicals known to the state of California to cause cancer or birth defects or other reproductive harm:**

Lead, arsenic, chromium, benzene

**For More Information: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**